



NWS Wilmington, Ohio January 2024 Regional Climate Summary

Regional Climate Summary

The month of January featured numerous cloudy days. Despite being in an El Niño pattern, the region observed above normal precipitation with frequent periods of rainfall and light snow. This precipitation continued to alleviate any remaining drought across the local area. The above normal precipitation did not result in above normal snowfall. The primary period of cold weather occurred in the middle of the month, but it was not enough to balance out the warmer periods.

Temperatures

Near normal temperatures were in place the first week of the month. A warmer pattern then took shape for part of the 2nd week, until the pattern quickly changed towards the 2nd week. The coldest air of the season moved in and remained in place across the region until around the 22nd. High temperatures didn't even reach the teens in some areas on the 15th. Several mornings had single digit lows along with some temperatures even dropping below zero. The average temperature departure from normal was over 20 degrees below normal in spots.

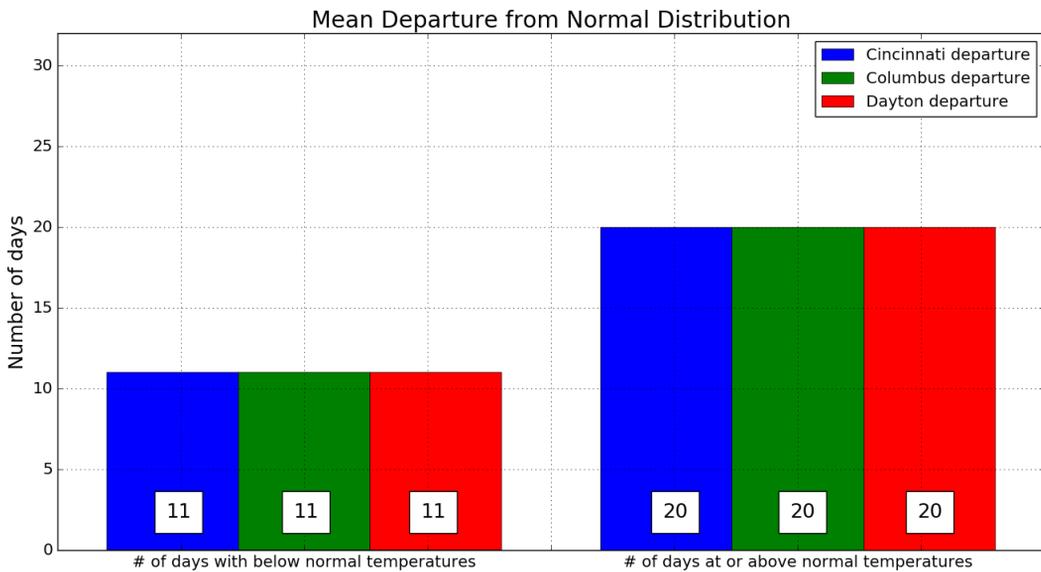
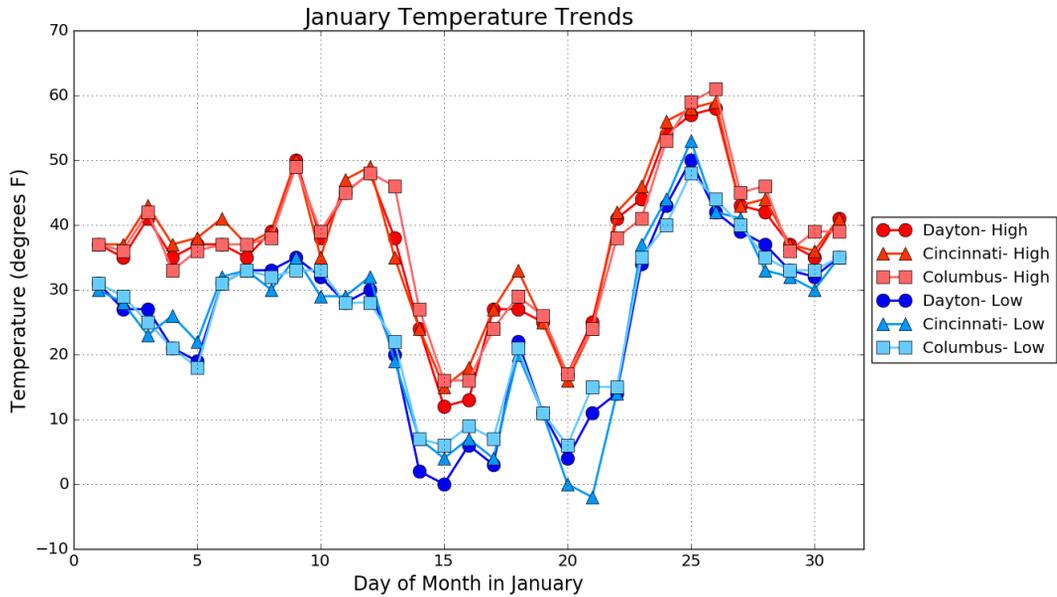
A quick change in temperatures occurred once again with temperatures warming to well above normal values by the 23rd. This warmer pattern of above normal temperatures persisted for several days. The month wrapped up with daily temperatures above normal.

During the cold snap in the middle of the month, Cincinnati had a period of less cloud cover when compared to Columbus and Dayton. This resulted in daily lows considerably lower. The 21st was the best example of this. Cincinnati observed a low of -2°F while Columbus and Dayton observed lows of 15°F and 11°F respectively. Ultimately, the monthly average was similar for all three sites, but Cincinnati has a warmer average leading to a departure from normal of example zero.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	31.4	37.7	25.2	0	59 on 26 th	-2 on 21 st
Columbus (CMH)	31.7	37.4	25.9	2.1	61 on 26 th	6 on 15 th and 20 th
Dayton (DAY)	31.0	36.7	25.3	1.6	58 on 26 th	0 on 20 th



Temperatures (Continued)



Precipitation

Precipitation during the first week of the month was pretty light with most area locations staying under a half inch of rainfall for the week. Slightly higher values occurred later in that week near and south of the Ohio River, but most locations were under an inch. During that first week s temperatures hovered overall around normal, some light snow also occurred at times.

Heavy rainfall on the 9th led to some precipitation records for the day. A record rainfall of 1.63 inches at Cincinnati broke the old record of 1.57 inches set in 1898. A record rainfall of 1.63 inches at Dayton broke the old record of 1.09 inches set in 1930. A record rainfall of 1.44 inches was set at Columbus breaking the old record of 0.86 inches set in 1898. On the 12th another widespread rain event occurred with widespread values of over a half inch and some values even over an inch.

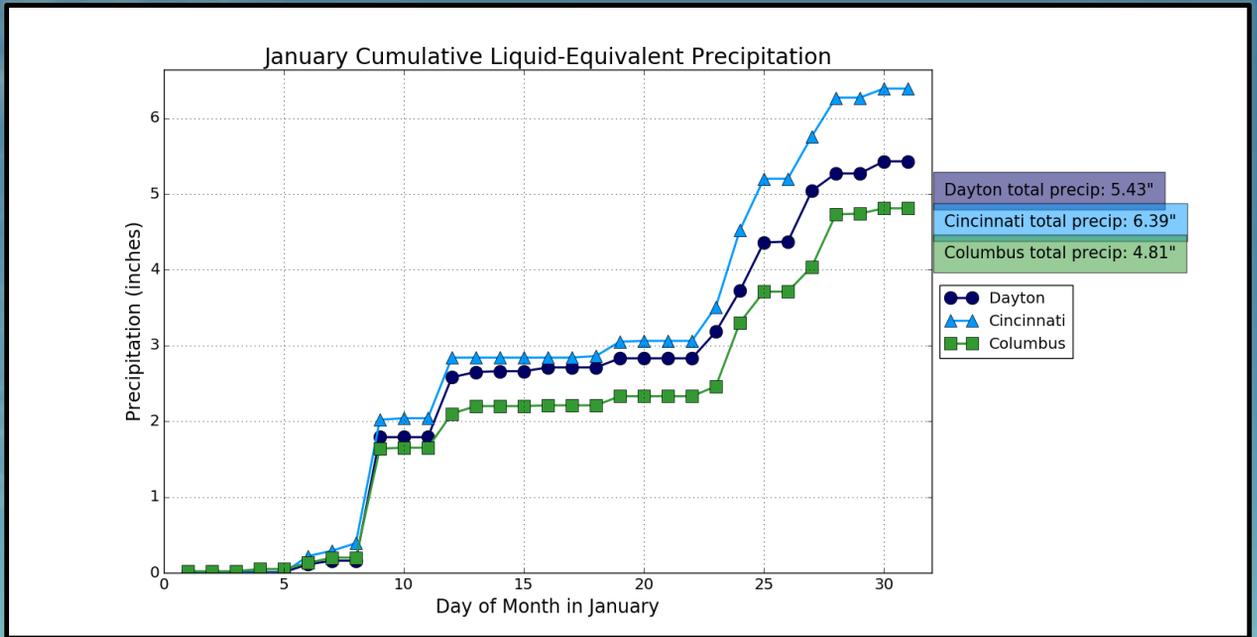
During the transition to the cooler pattern during the month widespread light snow occurred on the 13th. Most values were around an inch of snow or less. During the cooler portion the month precipitation totals were less. On the 19th accumulating snow brought values ranging from an inch to over 4 inches of snow to the region in some areas.

Heading back into warmer weather some light icing occurred. This was short lived. A wet pattern began to emerge for the last week of the month with several days of rain across the region.

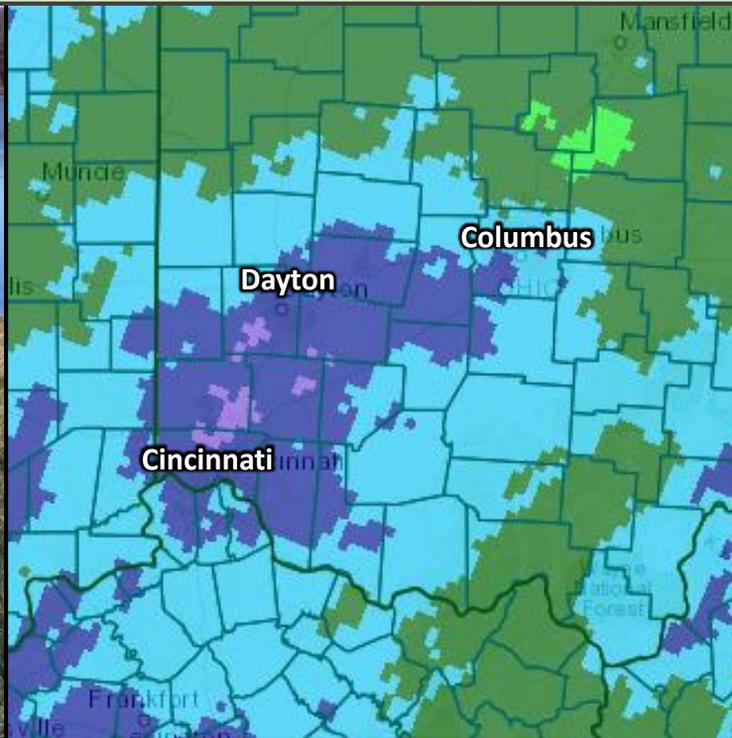
Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	6.39	3.09	1.63	9 th	4.6	3.8	19 th
Columbus (CMH)	4.81	1.81	1.44	9 th	5.0	2.2	19 th
Dayton (DAY)	5.43	2.35	1.63	9 th	7.6	2.3	19 th



Precipitation (Continued)



December Precipitation Departure From Normal (In.)



February Outlook

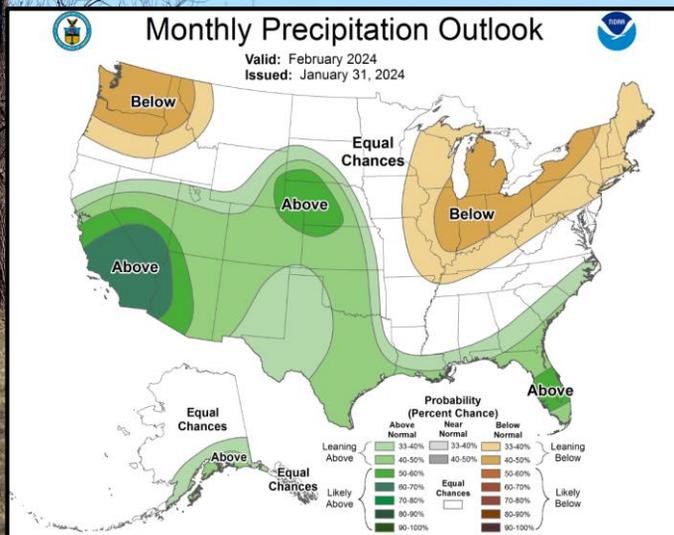
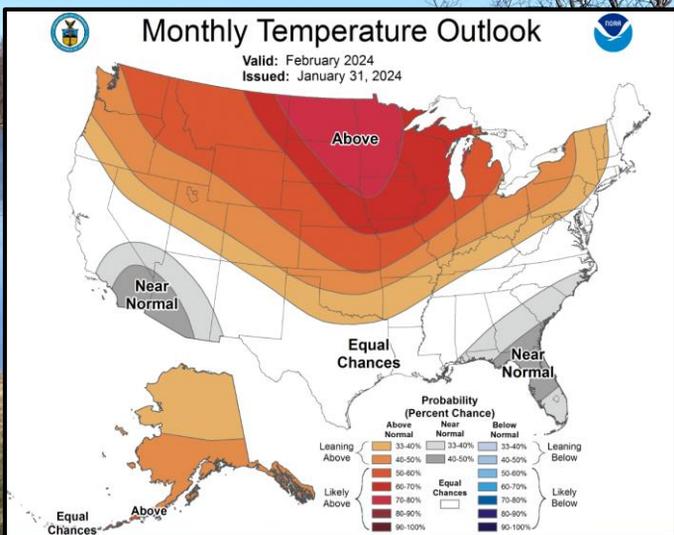
The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal temperatures and below normal precipitation.

Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	34.7	43.7	25.8
Columbus (CMH)	32.5	40.8	24.2
Dayton (DAY)	32.8	41.2	24.5

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.17	6.7
Columbus (CMH)	2.41	7.6
Dayton (DAY)	2.35	6.6

Upcoming Temperature Outlook

Upcoming Precipitation Outlook



February-April Outlook

El Niño is expected to continue through the remainder of the winter months with an El Niño advisory still in effect. There is also a 73% chance of a transition to a neutral pattern during the April-June timeframe.

As is typical with El Niño winters, the Climate Prediction Center expects an increased likelihood of above normal temperatures and below normal precipitation.

Three-Month (FMA) Temp. Outlook

Three-Month (FMA) Precip. Outlook

